



DECLARATION FOR PATENT APPLICATION

COPY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS AND APPARATUS FOR REDUCING RESOURCE CONTENTION IN PARALLEL DATA BACKUP PROCESSES

the specification of which is attached hereto unless the following is checked:

[X] was filed on December 21, 2000, as United States Application No. 09/747,179 or PCT
(Include Series Code)
International Application No. _____, bearing attorney docket No. _____
, and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or section 365(a) of any PCT International application designating at least one country other than the United States listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign PCT International Application(s) and any priority claims under 35 U.S.C. §§119 and 365(a), (b):

(Number)	(Country-if PCT, so indicate)	(DD/MM/YY Filed)	Priority Claimed	
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO

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I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

(Application Number)	(filing date)
(Application Number)	(filing date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application No.)	(filing date)	(status-patented, pending, abandoned)
(Application No.)	(filing date)	(status-patented, pending, abandoned)

(PCT Appl. No.) (U.S. Ser. No.) (PCT filing date) (status-patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Robert M. Abrahamsen	40,886	Jason M. Honeyman	31,624	Stanley Sacks	19,900
Eric Amundsen	46,518	Robert E. Hunt	39,231	Christopher S. Schultz	37,929
John N. Anastasi	37,765	Ronald J. Kransdorf	20,004	Alan B. Sherr	42,147
Ilan Barzilay	46,540	Peter C. Lando	34,654	Robert A. Skrivanek, Jr.	41,316
Gary S. Engelson	35,128	M. Brad Lawrence	P 47,210	Alan W. Steele	45,128
Neil P. Ferraro	39,188	Helen C. Lockhart	39,248	Mark Steinberg	40,829
Thomas G. Field, III	45,596	Matthew B. Lowrie	38,228	Joseph Teja, Jr.	45,157
Stephen R. Finch	42,534	William R. McClellan	29,409	John R. Van Amsterdam	40,212
Edward R. Gates	31,616	Daniel P. McLoughlin	46,066	Michael G. Verga	39,410
Richard F. Giunta	36,149	James H. Morris	34,681	Robert H. Walat	46,324
Peter J. Gordon	35,164	M. Lawrence Oliverio	30,915	Lisa E. Winsor	44,405
William G. Gosz	27,787	Timothy J. Oyer	36,628	David Wolf	17,528
Lawrence M. Green	29,384	Edward F. Perlman	28,105	Douglas R. Wolf	36,971
George L. Greenfield	17,756	Michael J. Pomianek	46,190		
James M. Hanifin, Jr.	39,213	Elizabeth R. Plumer	36,637		
Therese A. Hendricks	30,389	Randy J. Pritzker	35,986		
Steven J. Henry	27,900	Robert E. Rigby, Jr.	36,904		
		Edward J. Russavage	43,069		

Address all telephone calls to Richard F. Giunta at telephone no. (617) 720-3500. Address all correspondence to:

Richard F. Giunta
c/o Wolf, Greenfield & Sacks, P.C.,
Federal Reserve Plaza
600 Atlantic Avenue
Boston, MA 02210-2211

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

John G. Deshayes
Inventor's signature
Full name of sole or first inventor: John G. Deshayes
Citizenship: U.S.A.
Residence: 7 Castle Hill Road, Hopkinton, Massachusetts 01748
Post Office Address: 7 Castle Hill Road, Hopkinton, Massachusetts 01748

2/15/01
Date

A.K. Pillai
Inventor's signature
Full name of second or joint inventor: Anand Pillai
Citizenship: Sri Lanka
Residence: 1004 Village Road East, Norwood, Massachusetts 02062
Post Office Address: 1004 Village Road East, Norwood, Massachusetts 02062

02/15/01
Date

Neil Schutzman
Inventor's signature
Full name of third or joint inventor: Neil Schutzman
Citizenship: U.S.A.
Residence: 155 Bracken Drive, Marlborough, Massachusetts 01752
Post Office Address: 155 Bracken Drive, Marlborough, Massachusetts 01752

2/15/01
Date

Brian A. Barnhart

Inventor's signature

3/9/2001
Date

Full name of fourth or joint inventor: Brian A. Barnhart

Citizenship: U.S.A.

Residence: 26 Longmeadow Road, Westborough, Massachusetts 01581

Post Office Address: 26 Longmeadow Road, Westborough, Massachusetts 01581

Inventor's signature

Date

Full name of fifth or joint inventor: Alison Peacock

Citizenship: U.S.A.

Residence: 1320 North Veitch Street, Apt. 1011, Arlington, Virginia 22201

Post Office Address: 1320 North Veitch Street, Apt. 1011, Arlington, Virginia 22201

Inventor's signature

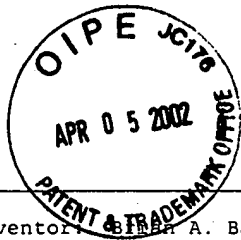
Date

Full name of sixth or joint inventor: Sudheer Arora

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Post Office Address: 2 Washington Square Village, Apt. 11G, New York, New York 10012



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Full name of fourth or joint inventor: Brian A. Barnhart
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Post Office Address: 26 Longmeadow Road, Westborough, Massachusetts 01581

Date

Alison Peacock
Inventor's signature _____
Full name of fifth or joint inventor: Alison Peacock }
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Residence: 1320 North Veitch Street, Apt. 1011, Arlington, Virginia 22201
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02-22-01

Date

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Citizenship: India
Residence: 2 Washington Square Village, Apt. 11G, New York, New York 10012
Post Office Address: 2 Washington Square Village, Apt. 11G, New York, New York 10012

Date



Inventor's signature

Full name of fourth or joint inventor: Brian A. Barnhart

Citizenship: U.S.A.

Residence: 26 Longmeadow Road, Westborough, Massachusetts 01581

Post Office Address: 26 Longmeadow Road, Westborough, Massachusetts 01581

Date

Inventor's signature

Full name of fifth or joint inventor: Alison Peacock

Citizenship: U.S.A.

Residence: 1320 North Veitch Street, Apt. 1011, Arlington, Virginia 22201

Post Office Address: 1320 North Veitch Street, Apt. 1011, Arlington, Virginia 22201

Date

Sudheer Arora

Inventor's signature

Full name of sixth or joint inventor: Sudheer Arora

Citizenship: India

Residence: 2 Washington Square Village, Apt. 11G, New York, New York 10012

Post Office Address: 2 Washington Square Village, Apt. 11G, New York, New York 10012

12th Feb. 2001
Date



EMC² COPY

Dear Employee:

We at EMC fully recognize that our success and achievement as a company depend on your contributions. An important goal of EMC is to establish a working environment which will allow you to find maximum job satisfaction while participating in our highly competitive, technological and exciting business.

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APR 09 2002

Technology Center 2100

The activities of EMC's employees result in a body of patentable, trade secret and confidential information which helps keep EMC on the leading edge of technology in our industry. This information benefits us all, since EMC depends on it for its continued growth and success, and its proper use and protection should be of paramount concern to us all.

In consideration of your employment by EMC and in recognition of the fact that as an employee of EMC you have access to confidential information, I ask that you please review and sign the following Key Employee Agreement (the "Agreement"). This Agreement protects both the Company and its employees from unfair competition from former employees. This Agreement, when signed by you, is a binding legal agreement, so you may wish to review its terms with your legal advisor before signing it.

Also, because of your access to EMC confidential information, enclosed for your review and signature is EMC's policy on insider trading (the "Policy"). The Policy sets forth your obligations as an EMC employee with regard to the purchase and sale of EMC securities.

If you have any questions, either your supervisor or your human resources representative would be happy to discuss them with you. Please keep one copy of the Agreement and Policy for your records.

My sincere thanks for your cooperation.

Michael C. Ruettgers
President and Chief Executive Officer

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KEY EMPLOYEE AGREEMENT

In view of the highly competitive nature of the business of EMC Corporation (together with its subsidiaries, the "Company"), the need of the Company to maintain its competitive position through the protection of its goodwill, trade secrets and confidential and proprietary information, and in consideration for being provided with access to certain trade secrets and/or confidential and proprietary information in conjunction with your employment with the Company, you agree as follows:

1. Non-Competition. For as long as you are employed by the Company, you shall devote your full time and efforts to the Company and shall not participate, directly or indirectly, in any capacity, in any business or activity that is in competition with the Company. For the twelve month period following the effective date of your termination, for any reason, from the Company, you agree not to directly or indirectly compete with the Company in any manner, including but not limited to directly or indirectly developing, producing, marketing, soliciting or selling products or services competitive with products or services being developed, produced, marketed or sold by the Company as of the date of your termination. For purposes of the immediately preceding sentence you shall not be considered to be competing with the Company unless you have an ownership interest amounting to at least 1% in the competing enterprise (whether direct or indirect by way of stock options (vested or unvested) or otherwise) or an officership, directorship or other policy-making position with the competing enterprise.

2. Customer and Vendor Confidentiality. You recognize that it is essential to the Company's success that all customer and vendor information be deemed to be confidential and be properly treated as a confidential trade secret. Therefore, you agree not to use or disclose any such customer or vendor information except as may be necessary in the normal conduct of the Company's business for the specific customer or vendor, and after the end of your employment with the Company, you will return all such materials to the Company.

3. Confidentiality of Company Materials. You agree that both during your employment with the Company and thereafter not to use for your own benefit, or divulge or disclose to any person outside of the Company, any information not already lawfully available to the public concerning the Company or any of its customers or suppliers ("Confidential Information"), including but not limited to any products, product development, business strategy, financial information, or customer, supplier or employee lists. Confidential Information also includes, without limitation, any technical data, design, pattern, formula, computer program, source code, object code, algorithm, subroutine, manual, product specification, or plan

ALISON T. PEACOCK

Employee Name
(please print)

for a new, revised or existing product; any business, marketing, financial or sales order; and the present or future business or products of the Company.

4. All Developments the Property of the Company. All confidential, proprietary or other trade secret information and all other discoveries, inventions, processes, methods and improvements, conceived, developed, or otherwise made by you, alone or with others, and in any way relating to the Company's present or planned business or products, whether or not patentable or subject to copyright protection and whether or not reduced to tangible form or reduced to practice during the period of your employment with the Company ("Developments") shall be the sole property of the Company. You agree to disclose all Developments promptly, fully and in writing to the Company promptly after development of the same, and at any time upon request. You agree to, and hereby do assign to the Company all your right, title and interest throughout the world in and to all Developments. You agree that all Developments shall constitute works made for hire under the copyright laws of the United States and hereby assign to the company all copyrights, patents and other proprietary rights you may have in any Developments without any obligation on the part of the Company to pay royalties or any other consideration to you in respect of such Developments. You agree to assist the Company (without charge, but at no cost to you) to obtain and maintain for itself such rights.

5. Recruiting Company Employees. For the twelve month period following the effective date of your termination, for any reason, from the Company, you agree not to directly or indirectly recruit, solicit or induce, or attempt to recruit, solicit or induce any employees, consultants or independent contractors of the Company to terminate, alter or modify their employment relationship with the Company.

6. Return of Company Materials. At the time of your termination, for any reason, from the Company, you agree to return to the Company all Company materials, documents and property, in your possession or control relating to work done for the Company or relating to the processes and materials of the Company. You also agree to return to the Company all materials concerning past, present and future or potential clients, customers, products and/or services. You also agree to return to the Company all materials provided by customers of the Company and all teaching materials provided by the Company. Such materials include, but are not limited to, customer and/or vendor lists, customer and/or vendor prospect material, price lists, rate structures, and software owned or developed by the Company for any purpose in any form. You also agree to attend an exit interview if so requested by the Company.

7. Miscellaneous:

(a) This Agreement contains the entire agreement between you and the Company with respect to the subject matter hereof, superseding any previous oral or written agreements with the Company or any officer or representative thereof. In the event of any inconsistency between this Agreement and any other contract between you and the Company, the provisions of this Agreement shall prevail.

(b) Your obligations under this Agreement shall survive the termination of your employment with the Company regardless of the manner of or reasons for such termination, and regardless of whether such termination constitutes a breach of any other agreement you may have with the Company. Your obligations under this Agreement shall be binding upon your heirs, assigns, executors, administrators and representatives, and the provisions of this Agreement shall inure to the benefit of and be binding on the successors and assigns of the Company.

(c) You agree that in the event that any of the provisions of this Agreement are determined by a court of competent jurisdiction to be contrary to any applicable statute, law, rule, or policy or for any reason unenforceable as written, then such court may modify any of such provisions so as to permit enforcement thereof to the maximum extent permissible as thus modified. Further, you agree that any finding by a court of competent jurisdiction that any provision of this Agreement is contrary to any applicable statute, law, rule or policy or for any reason unenforceable as written shall have no effect upon any other provisions and all other provisions shall remain in full force and effect.

(d) You agree that any breach of this Agreement will cause immediate and irreparable harm to the Company not compensable by monetary damages and that the Company will be entitled to obtain injunctive relief, in addition to other relief in any court of competent jurisdiction, to enforce the terms of this Agreement.

(e) No failure by the Company to insist upon strict compliance with any of the terms, covenants, or conditions hereof, and no delay or omission by the Company in exercising any right under this Agreement, will operate as a waiver of such terms, covenants, conditions or rights. A waiver or consent given by the Company on any one occasion is effective only in that instance and will not be construed as a bar to or waiver of any right on any other occasion.

(f) You agree that this Agreement may be amended or modified only by written agreement of yourself and an authorized representative of the Company.

(g) You agree that if the Company commences an action against you, by way of claim or counterclaim

and including declaratory claims, in which it is preliminarily or finally determined that you have violated any provision of this Agreement, you will reimburse the Company for all costs and fees reasonably incurred in such action, including but not limited to, the Company's attorneys' fees.

(h) You agree that tuition costs for which the Company has reimbursed you will be recovered in full if you voluntarily terminate employment within one year of completion of the respective course.

(i) This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts, without regard to the doctrine of conflicts of law. This Agreement is executed under seal.

(j) This Agreement does not create any obligation on the Company or any other person or entity to continue your employment. Either the Company or you may terminate your employment at will.

8. Arbitration. You agree that binding arbitration shall be the sole and exclusive remedy for any dispute arising out of or relating to termination of your employment by the Company or any alleged discrimination by the Company; provided, however, that this shall in no way limit the Company's ability to commence litigation with regard to any breach of this Agreement. Any such arbitration shall be conducted pursuant to the procedures set forth in the Company's arbitration policy. You also agree that any such arbitration must be commenced within one year from the date such claim accrued, or will be forever barred. You also agree that you will be responsible for one-half of the arbitrators' fees and for all of your own costs and expenses in connection with any such arbitration. You further agree that if you commence any such arbitration proceeding and the Company is the prevailing party, you will be responsible for all of the arbitrators' fees in connection with such arbitration.

EMC CORPORATION

By: _____

Its: _____

AGREED AND ACCEPTED:

Signature Alison T. Peacock

Name (Printed) ALISON T. PEACOCK

Date 23 January 1997

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**SALES TRAINING
REIMBURSEMENT**

You agree to reimburse the Company the costs of training if you choose to leave the Company's employ within the first two years of employment. If you voluntarily terminate employment within the first twelve months, you will be responsible for reimbursing the Company the total training costs of \$6,000. If you voluntarily terminate employment during the period of the thirteenth month to the twenty-fourth month, you will be responsible for a \$3,000 reimbursement. If you are involuntarily terminated by the Company, this paragraph on training reimbursement would not apply. This training reimbursement paragraph would not apply in cases of severe personal hardship causing voluntary termination of an employee.

~~N/A 01-23-97~~
Initials/Date

**CUSTOMER
SERVICE TRAINING
REIMBURSEMENT**

You agree to reimburse the Company the costs of training if you choose to leave the Company's employ within the first two years of employment. If you voluntarily terminate employment within the first twelve months, you will be responsible for reimbursing the Company the total training costs of \$6,000. If you voluntarily terminate employment during the period of the thirteenth month to the twenty-fourth month, you will be responsible for a \$4,000 reimbursement. If you are involuntarily terminated by the Company, this paragraph on training reimbursement would not apply. This training reimbursement paragraph would not apply in cases of severe personal hardship causing voluntary termination of an employee.

~~N/A 01-23-97~~
Initials/Date

**RELOCATION, LEGAL
OR IMMIGRATION
REIMBURSEMENT**

You agree to reimburse the Company the costs of any relocation, legal or immigration fees if you choose to leave the Company's employ within the first two years of employment. If you voluntarily terminate employment within the first year, you will be responsible for the reimbursement of the total costs. If you voluntarily terminate employment during the period of the thirteenth month to the twenty-fourth month, you will be responsible for one-half of the total costs. Immigration payback period begins on the effective approval date of the visa petition. If you are involuntarily terminated by the Company, this paragraph would not apply.

~~N/A 01-23-97~~
Initials/Date

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EMC²

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TO: All Key Employees of EMC Corporation and its Subsidiaries
FROM: Paul T. Dacier
RE: Company Policy Regarding Purchasing and Selling EMC Securities

During your work at EMC or its subsidiaries (collectively, "EMC"), you may obtain information about EMC and its customers, suppliers or others with whom EMC has an existing or potential business relationship. This information may not yet be generally known to the public and is called "inside information." This information may affect the price of the company's stock. Trading on this information is a serious offense, punishable by civil and criminal penalties.

Insider trading laws are Federal laws with which we all must comply. To maintain the highest legal and ethical standards and to avoid even the appearance of improper conduct, EMC has adopted the following policy. Every employee MUST follow this policy to protect your interests and EMC's interests.

POLICY

If any employee is in the possession of material non-public information regarding EMC, neither that employee nor any related person may buy or sell EMC securities or engage in any other action to take advantage of, or pass on to others, that information. This policy also applies to confidential information relating to any other company, including EMC's customers or suppliers, obtained in the course of your employment.

AT NO TIME MAY AN EMPLOYEE OR ANY RELATED PERSON ENGAGE IN SHORT SALES OF EMC SECURITIES OR TRADE IN OPTIONS CONTRACTS OF ANY KIND INVOLVING EMC SECURITIES.

DISCUSSION

"Material Information" is any information that a reasonable investor would consider important in deciding to buy, hold or sell a stock and thus that could reasonably affect the price of the stock.

Examples of material information are: projections of earnings or losses; a proposed merger or acquisition; a significant sale of assets or of a subsidiary; changes in dividend policies, a stock split or the offering of additional securities; changes in management; significant new projects; financial liquidity problems; and the gain or loss of a substantial customer or supplier. Either positive or negative information may be material.

When Information is Public. Information is public only when it has been released by a press release or a filing with the Securities and Exchange Commission ("SEC") and enough time has passed to permit the market to receive and act on that information. It is EMC's policy that as a general

rule, you should not engage in any transactions until one full trading day has passed after the release of information.

If you are in doubt about whether or not you are in the possession of material non-public information, you should not trade.

Transactions by Family Members. The same restrictions apply to your family members and others living in your household.

Tippling Information to Others. In addition, you must not "tip", or pass on material non-public information to others. Penalties apply whether or not you profit from such tipping.

PENALTIES

For individuals who trade on inside information or tip others, there are civil penalties, including the return of any profit gained or loss avoided and penalties of up to three times this amount; and criminal penalties, including imprisonment. In addition, violation of this policy can result in termination of your employment.

Insider trading, in the U.S. and abroad, is vigorously prosecuted. Trading is detected through sophisticated methods used by the SEC and the stock exchanges. The U.S. has agreements with virtually all countries with stock exchanges, providing for reciprocal enforcement.

This policy does not apply to the exercise of vested stock options made in accordance with the EMC 1985 Stock Option Plan, as amended, or the 1993 Stock Option Plan. However, the above policy is to be observed with a sale of exercised option shares.

"EMC securities" includes EMC Common Stock, \$.01 par value, the 6 1/4% Convertible Subordinated Debentures due 2002 and the 4 1/4% Convertible Subordinated Notes due 2001.

You are responsible for compliance with this policy and it is therefore imperative that you fully understand this policy and the insider trading laws. If you have any questions about a specific transaction or about this policy, please contact your supervisor. If you need further assistance, please contact the Legal Department.

Please sign below thereby indicating your agreement to be bound by this policy.

Alison T. Peacock
Signature

ALISON PEACOCK
Name (Print)

23 January 1997
Date